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((optical or optic or light or optically) near2 (switch or switches or switching or switch or switched)) and ((channel or channels or ridge) near2 (waveguide or waveguides)) and ((cor liquid-crystal or liquid-crystals or liquid-crystalline or (liquid near2 (crystal or crystals or crystalline))) and (temperature or thermal or thermally or heater or heaters or heat or heated or heating)	((optical or optic or light or optically) near2 (switch or switches or switching or switch or switched)) and ((channel or channels or ridge) near2 (waveguide or waveguides)) and (Ic or liquid-crystal or liquid-crystals or liquid-crystalline or (liquid near2 (crystal or crystals or crystalline))) and (temperature or thermal or thermally or heater or heaters or heat or heated or heating) and (nematic and isotropic)	("3695745" "3795433" "3883220").PN. OR ("4070092").URPN.	("4278327" "4461536" "4556288").PN. OR ("4720174").URPN.	("4201442" "4690489" "4746183" "4749258" "4813771" "4836657"). PN: OR ("5044712"):URPN:	("4720174" "5044712" "5589961" "6763159").PN. OR ("6904207"). URPN.	("20020041726" "20030156793" "4749258" "5044712" "5586205" "5596671" "6546163").PN. OR ("6763159").URPN.	("2003/0219197").URPN.	S11 and S12	(S6 or S7 or S8 or S9) and (heater or heaters or heating or heats or heated or thermally or temperature)
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